

## CLAIMS

What is claimed as new and desired to be protected by Letters Patent of the United States is:

1. A music data producing system comprising:

sound accepting means for accepting an input of a melody voice;

key depression accepting means for accepting a depression of a key corresponding to a rhythm of the melody voice to be inputted;

music data producing means for producing music data depending upon a voice and rhythm timing accepted by the sound accepting means and key depression accepting means; and

output means for outputting the music data produced by the music data producing means.

2. The music data producing system according to claim 1, wherein said music data produced by said music data producing means comprises both melody data and accompaniment data.

3. The music data producing system according to claim 2, wherein the melody data produced depends upon a voice and rhythm timing accepted by the sound accepting means and key depression accepting means and wherein said accompaniment data produced depends upon said melody data.

4. The music data producing system according to claim 1, wherein at least the sound accepting means, the key depression accepting means and the output means are provided in a terminal unit.

5. The music data producing system according to claim 4, wherein the music data producing means is provided in a server apparatus.

6. The music data producing system according to claim 4, wherein the terminal unit is a cellular telephone.

7. A server apparatus provided for communications with a terminal unit saidserver apparatus comprising:

music data producing means for producing music data depending upon a voice and rhythm timing accepted by the sound accepting means and key depression accepting means; and

transmitting means for sending music data produced by the music data producing means to a terminal unit.

8. The server apparatus according to claim 7, wherein said music data produced by said music data producing means comprises both melody data and accompaniment data.

9. The music data producing system according to claim 8, wherein the melody data produced depends upon a voice and rhythm timing accepted by the sound accepting means and key depression accepting means and wherein said accompaniment data produced depends upon said melody data.

10. A server apparatus according to claim 7, wherein the transmitting means converts said music data into a format corresponding to the specifications of a terminal unit.

11. The server apparatus of claim 10, wherein said terminal apparatus is a cellular telephone.

12. A music data producing method comprising:  
  
inputting a melody voice;  
  
inputting a key depression timing corresponding to a rhythm of said melody voice;

outputting said melody voice and said key depression timing to a melody-data producing means;

integrating said melody voice and said key depression timing to produce musical data; and

outputting said musical data.

13. The method of claim 12, wherein said melody voice and said key depression timing is inputted from a terminal device.

14. The method of claim 13, wherein said terminal device is a cellular telephone.

15. The method of claim 12, wherein said melody voice is produced by a user.

16. The method of claim 12, wherein said step of integrating said melody voice and said key depression timing further comprises using said key depression timing to cut said melody voice into musical notes having a distinct pitch and note value.

17. The method of claim 13, further comprising the steps of:

inputting specifications from said terminal unit;

converting said musical data to match said specifications of said terminal unit; and

outputting said converted musical data to said terminal unit.

18. The method of claim 17, further comprising the steps of:

storing said converted musical data in said terminal unit; and

outputting said converted musical data as an incoming indicator melody.

19. A music data producing method comprising:

inputting a melody voice;

inputting a key depression timing corresponding to a rhythm of said melody voice;

outputting said melody voice and said key depression timing to a melody-data producing means;

integrating said melody voice and said key depression timing to produce melody data and accompaniment data; and

outputting said musical data.

20. The method of claim 19, wherein said step of integrating said melody voice and said key depression timing further comprises using said key depression timing to cut said melody voice into musical notes having a distinct pitch and note value.

21. The method of claim 19, wherein said accompaniment data is produced based on said melody data.

22. The method of claim 21, wherein said accompaniment data are chords corresponding to the melody.

23. The method of claim 19, wherein said melody voice and said key depression timing is inputted from a terminal device.

24. The method of claim 19, wherein said terminal device is a cellular telephone.